

**EXHIBIT B****Thermal Control System for Laser-Based Active Night-Vision System**

A laser-based active night-vision system (as discussed in Ford Motor Company U.S. patents # 6429429 and 6422713) uses a near-infrared diode laser to illuminate the road and a CCD or CMOS camera to image the scene, which is presented to the driver on a heads-up-display

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However, the diode-laser emission wavelength is known to change with temperature by  $\sim 0.25 \text{ nm/}^\circ\text{C}$ . This disclosure describes a thermal control system that keeps the laser wavelength within the pass-band of the filter, thus optimizing the performance of the night-vision system.

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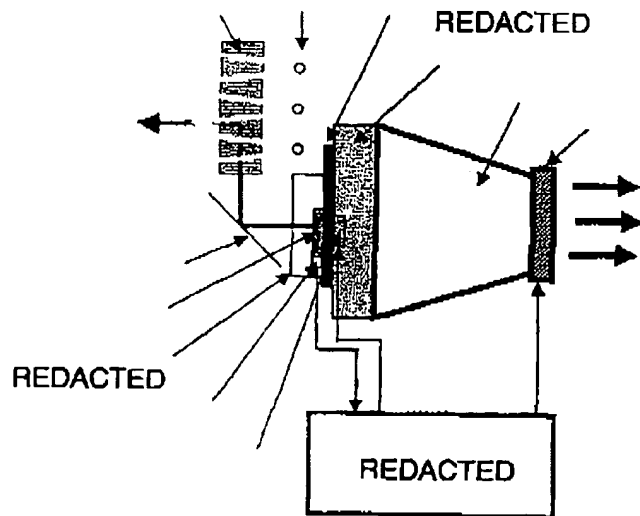
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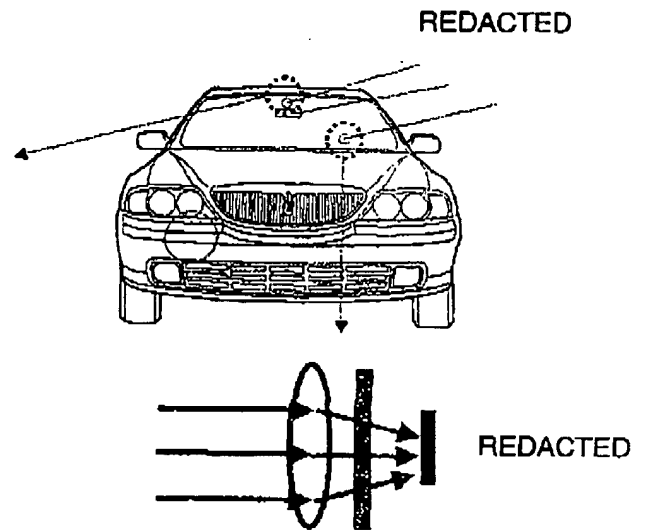
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ILLUMINATOR SYSTEM DETAIL



CAMERA DETAIL

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